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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application)

Applicant: Sato et al.)

Cont. of: PCT/JP99/05568)

Filed: October 8, 1999)

For: MAGNETIC SENSOR,)
MAGNETIC HEAD,)
MAGNETIC ENCODER AND)
HARD DISK DEVICE)

Art Unit:)

I hereby certify that this paper is being deposited with
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PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to examination of this application, please amend the application as
follows:

IN THE CLAIMS:

Please amend claims 5, 6, 10, 11 and 12-17 as follows:

5. (Once Amended) A magnetic head comprising the magnetic sensor
according to [any one of claims] claim 1 [to], 4 or 2.